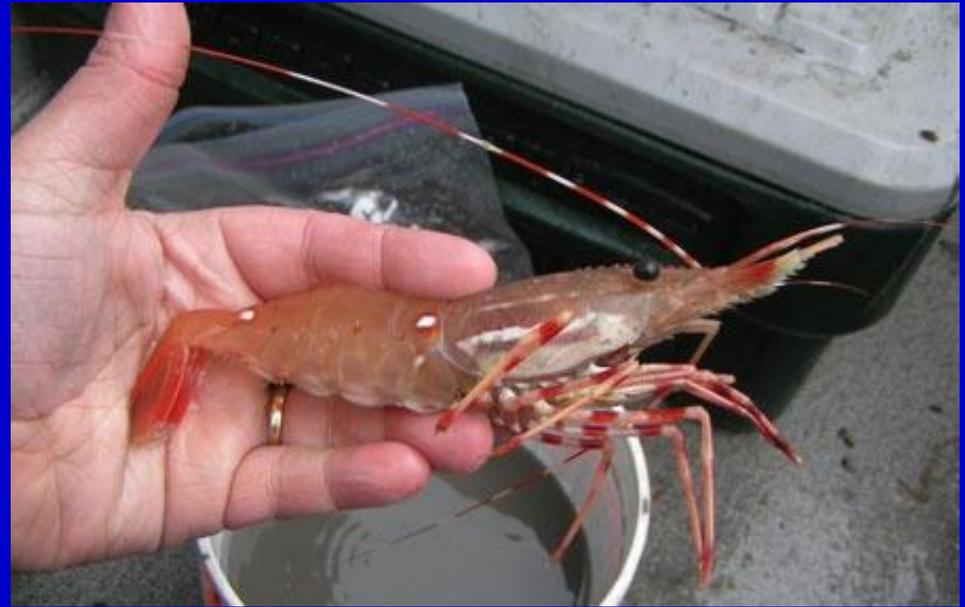


2015 Puget Sound Shrimp Fishery



Rich Childers; Puget Sound Shellfish Manager, Fish Program
Washington Fish and Wildlife Commission Meeting
April 9, 2016

Presentation Outline

- Key elements of the Puget Sound shrimp fishery policy (C-3610);
- Performance and harvest of the 2015 Puget Sound commercial and recreational non-spot shrimp fishery;
- 2015 commercial non-spot shrimp trawl fishery and emerging bycatch concern;
- Performance and harvest of the 2015 Puget Sound commercial and recreational spot shrimp fishery;
- Region 1 West and 3 spot shrimp fishery ;
- Adjustments to the 2016 fishery .

Shrimp Species Harvested by Commercial and Recreational Fisheries



Pandalus eous: Pink Shrimp
Overall length 4 inches, trawl fishery
commercial



Pandalus danae: Dock (coonstripe)
Overall length 5 inches, commercial and recreational
pot fishery, and trawl fishery

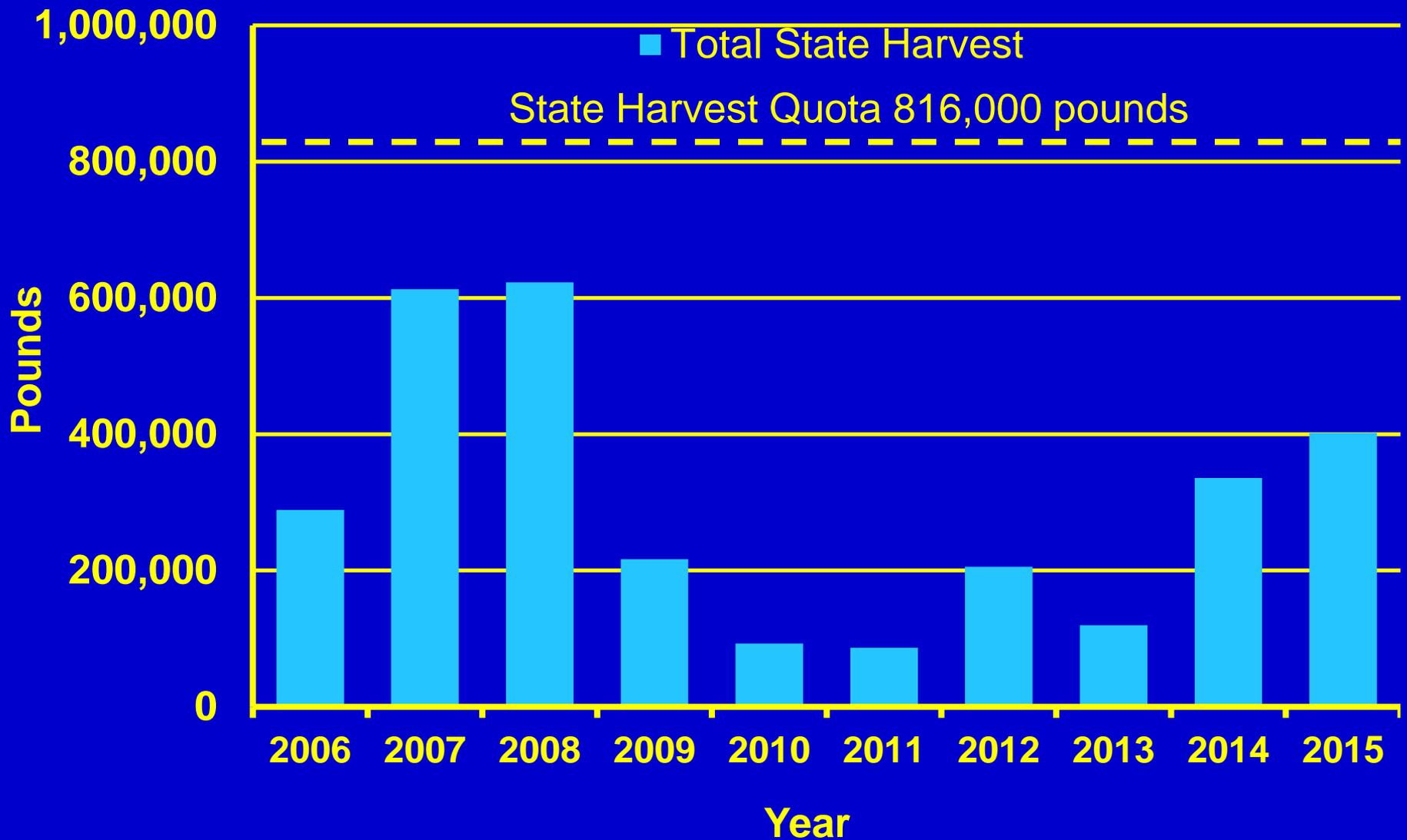
Pandalus hypsinotus :Coonstripe,
Overall length 7 inches, commercial and recreational
pot fishery, and trawl fishery

Pandalus platyceros: Spot shrimp
Overall length 10 inches, commercial and
recreational pot fishery

Puget Sound Shrimp Fishery Policy C-3610

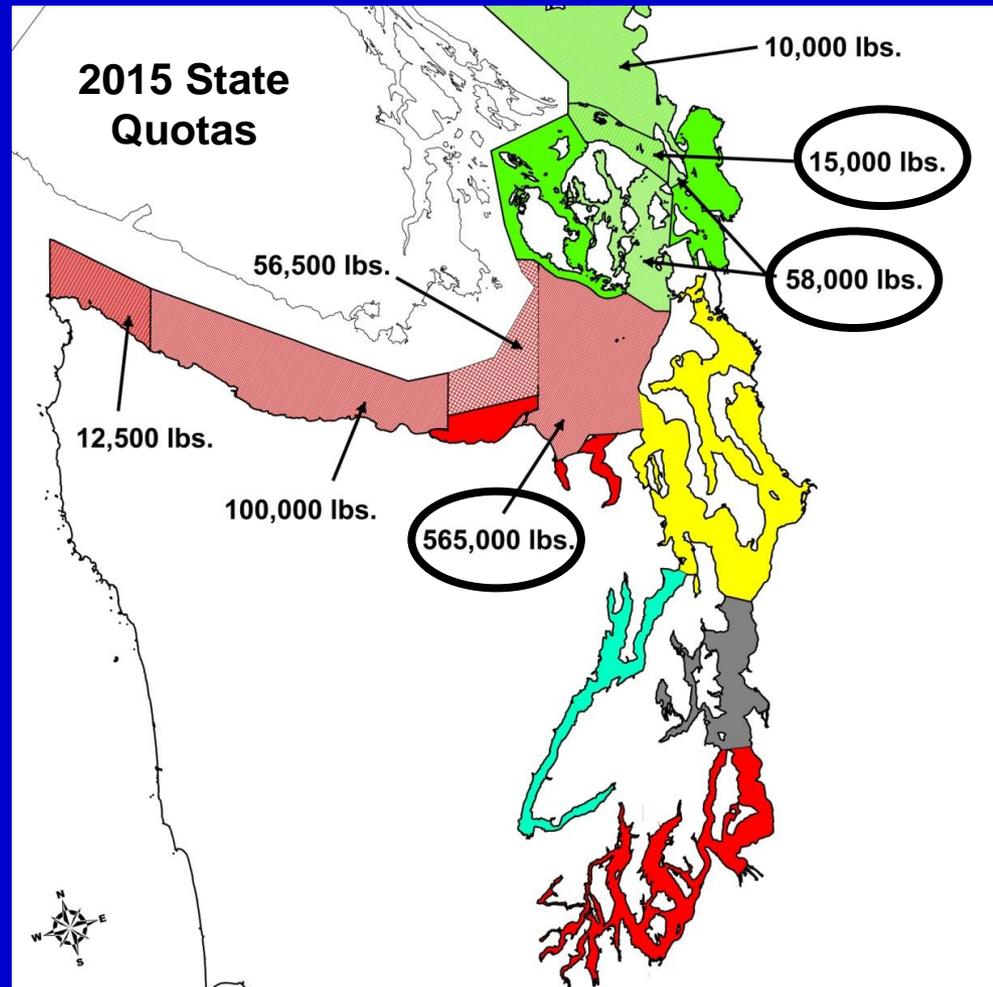
- A revised policy was adopted by the Commission on December 15, 2012;
- Protect and conserve the Puget Sound shrimp resource;
- Provides for recreational and commercial fisheries;
- The Puget Sound recreational non-spot shrimp pot fishery will be managed to take up to 20% of the state quota;
- Overall Puget Sound spot shrimp allocation objective of 70% recreational and 30% commercial;
- Commercial and recreational allocations in Regions 1 and 3 may be adjusted annually or in-season by equal percentage points as needed to ensure that the Puget Sound general allocation objective of 70%-30% is attained.

State Non-Spot Shrimp Trawl Fishery Quota and Harvest (2006-2015)

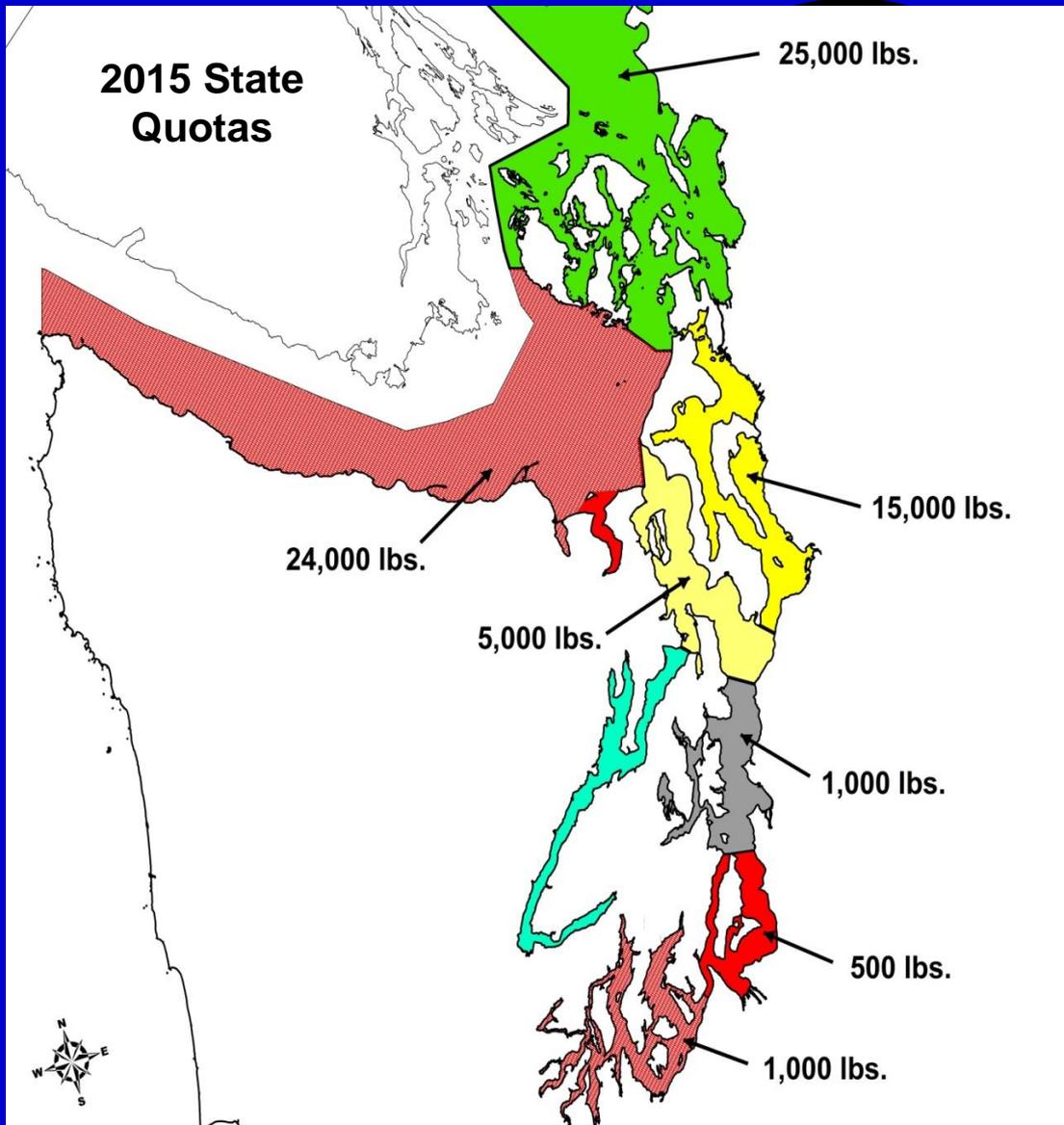


State Non-Spot Shrimp Trawl Fishery

- Limited entry fishery since 2001
- Five transferable permits (4 active past 3 years)
- Fishery restricted to regions 1 and 3 only
- Treaty tribes have not participated
- Not allowed to retain spot shrimp
- Bycatch observer program for ESA listed species initiated in 2011
- Observer data shows an increase in spot shrimp bycatch since 2013
- Bycatch excluder device installed on one vessel in 2015

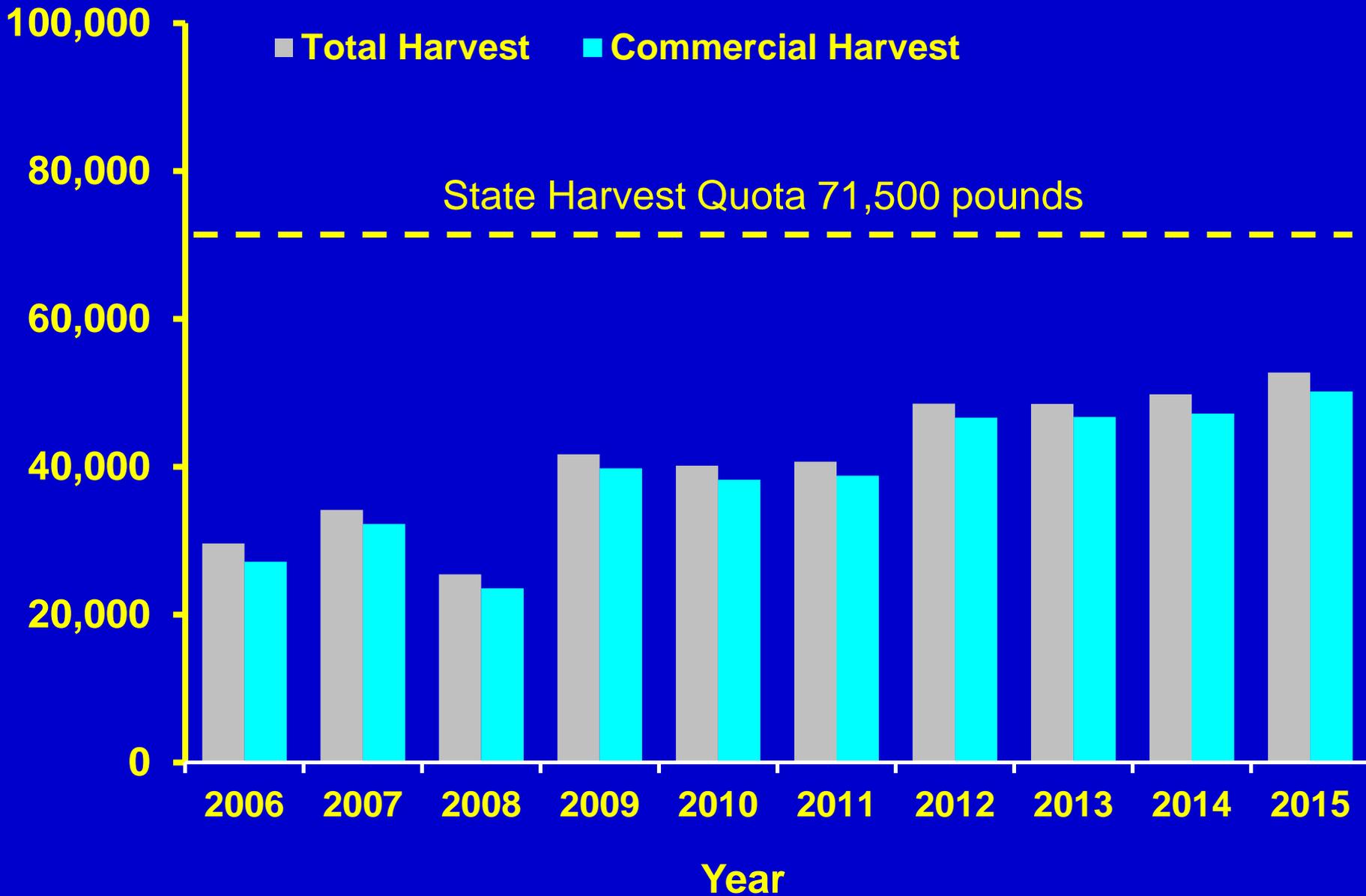


State Non-Spot Shrimp Pot Fishery



- Six management regions
- Limited entry commercial fishery since 2001
- 18 transferable commercial permits valid for both non-spot and spot shrimp
- Recent increase in participation by the treaty tribes
- Very little recreational effort

State Non-Spot Shrimp Pot Fishery Quota and Harvest (2006-2015)

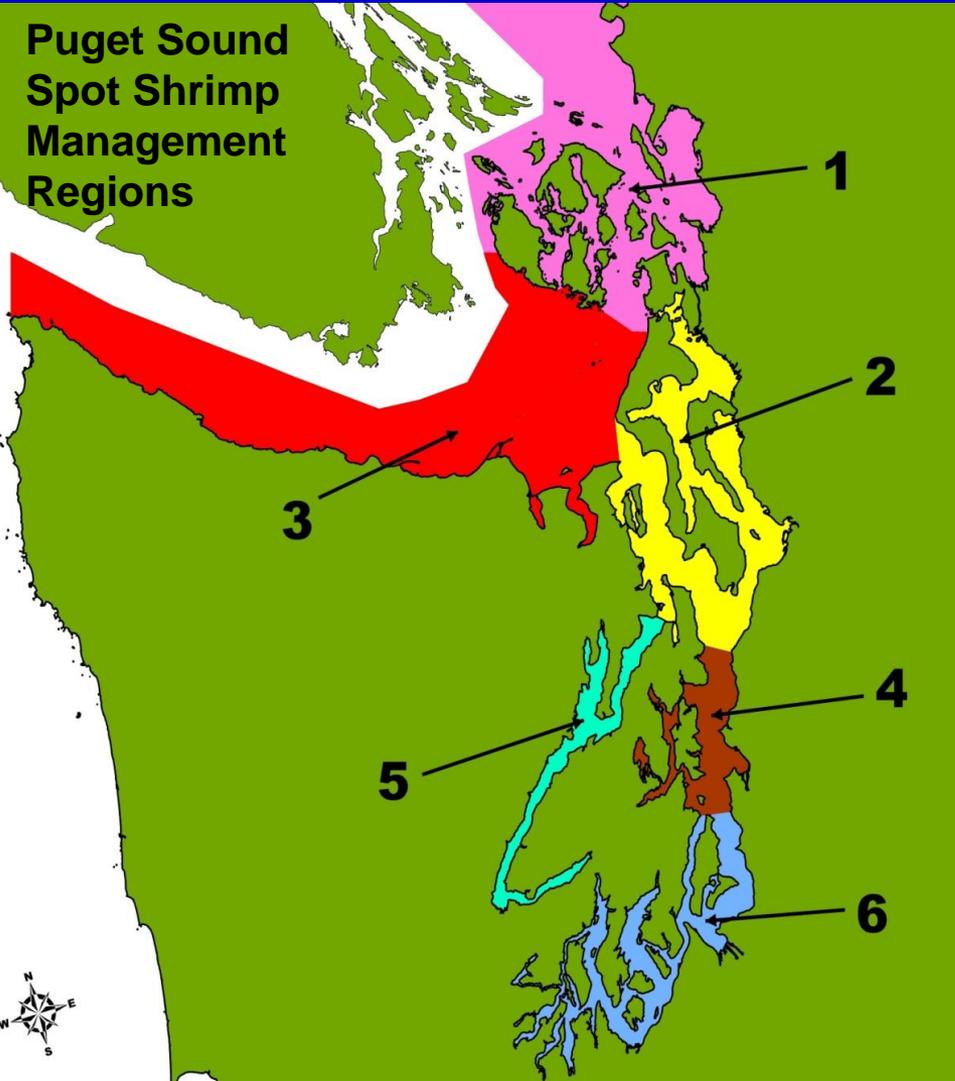


Puget Sound Spot Shrimp Fishery



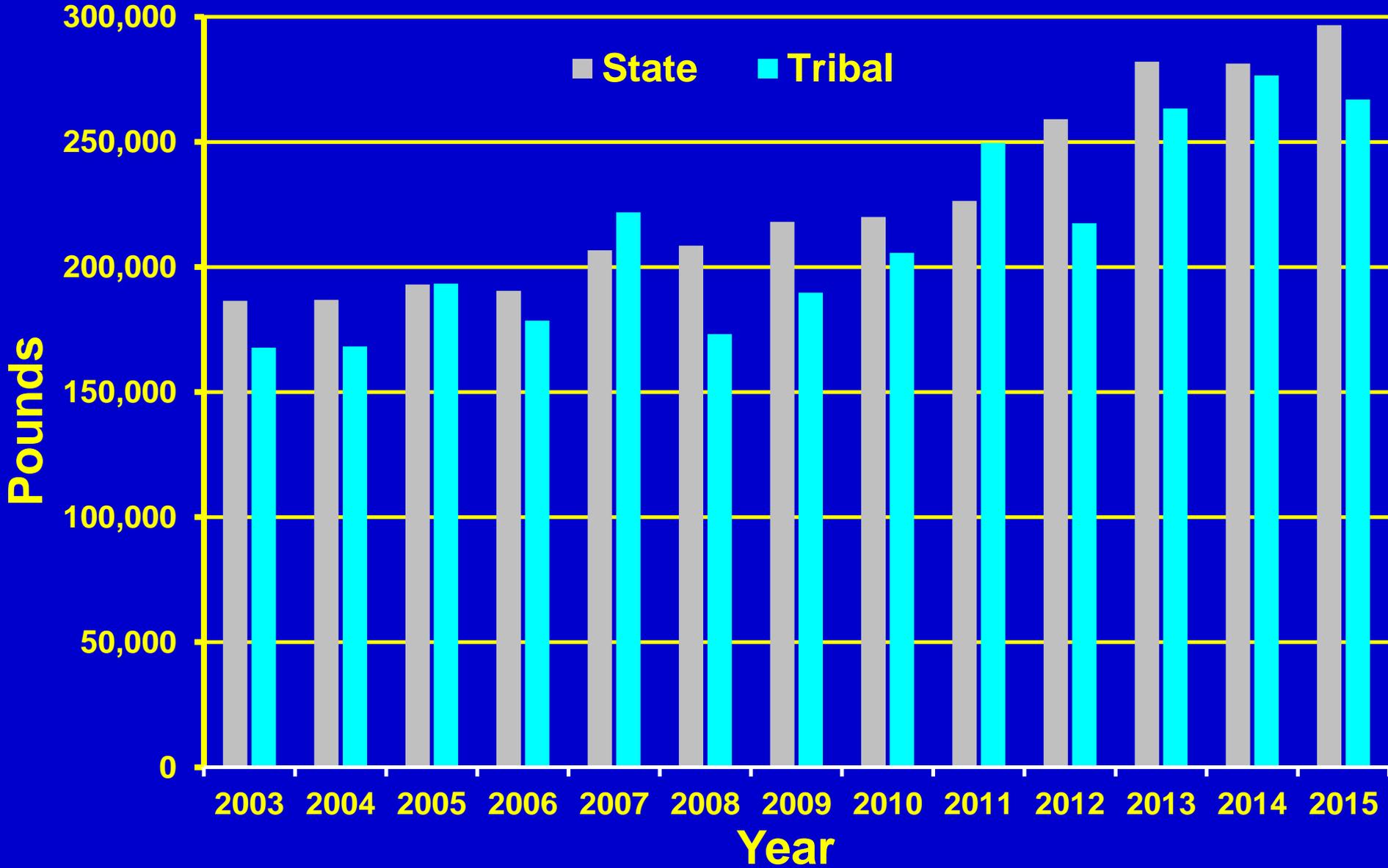
Puget Sound Spot Shrimp Management

Puget Sound Spot Shrimp Management Regions

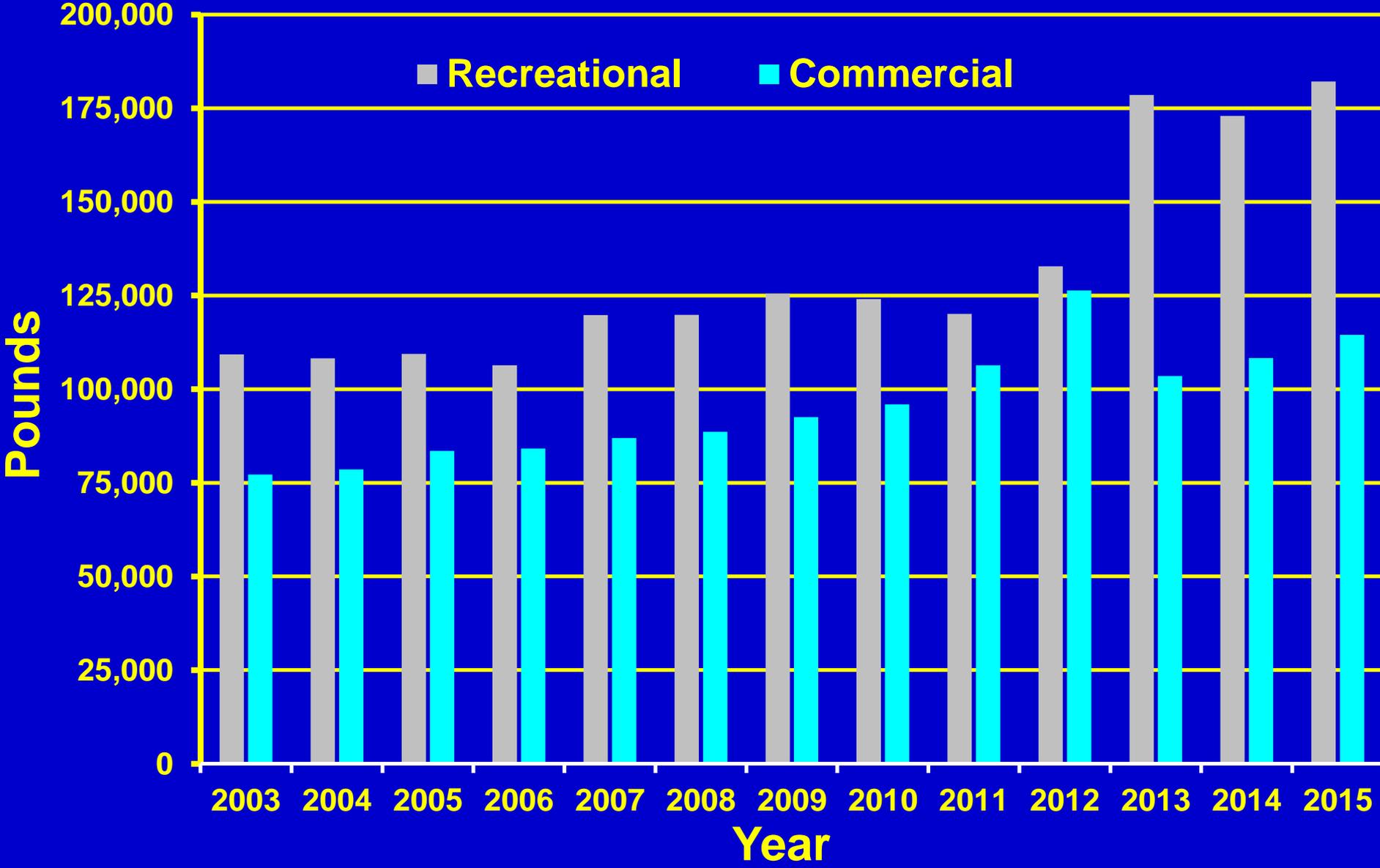


- Six management regions
- Policy C-3610 provides commercial and recreational opportunity in Regions 1 and 3. Regions 2, 4, 5, and 6 are reserved for recreational only.
- Annual harvest quotas and regional State/Tribal harvest shares are established annually through co-management agreements.

State and Tribal Spot Shrimp Harvest (2003-2015)

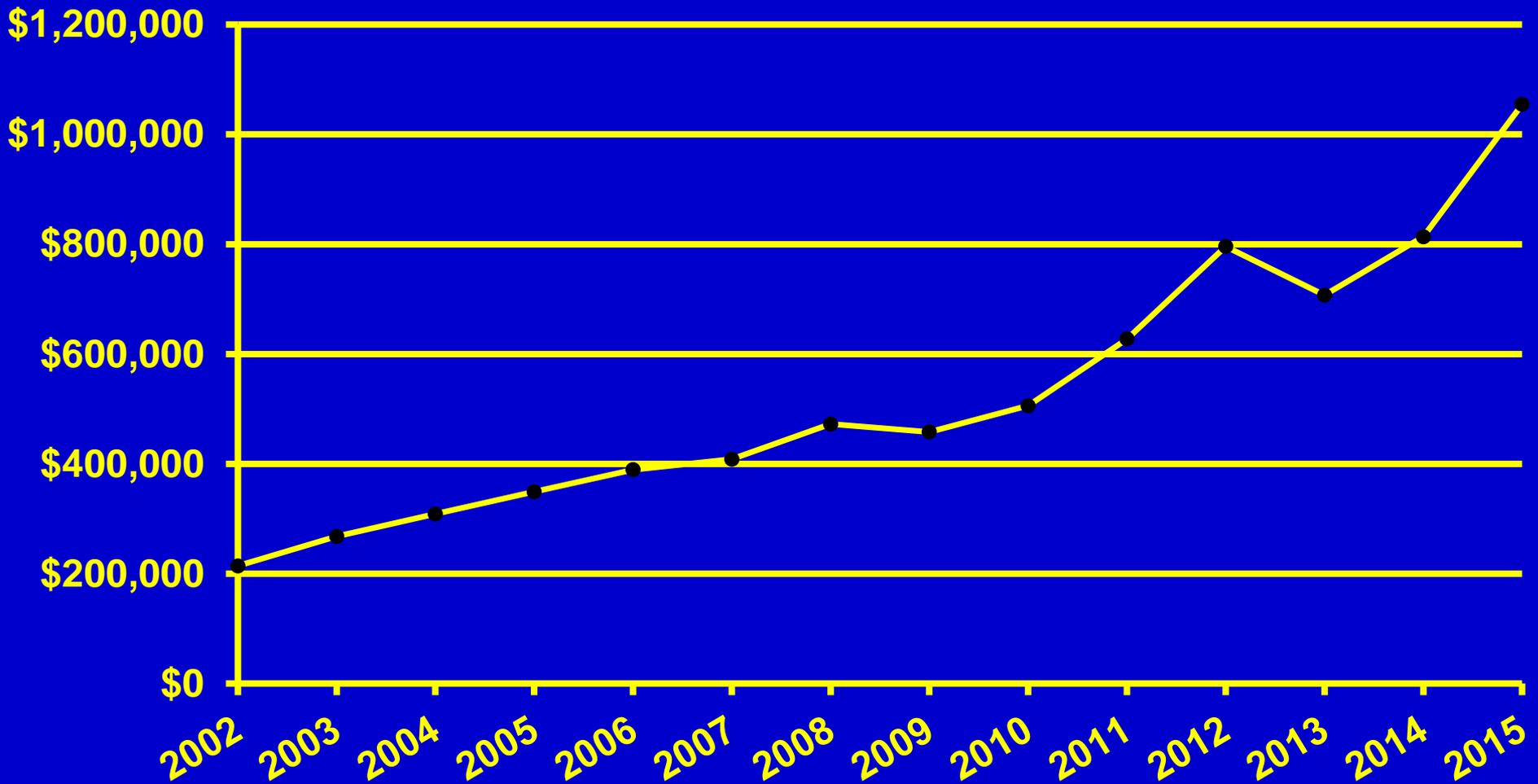


State Spot Shrimp Harvest (2003-2015)



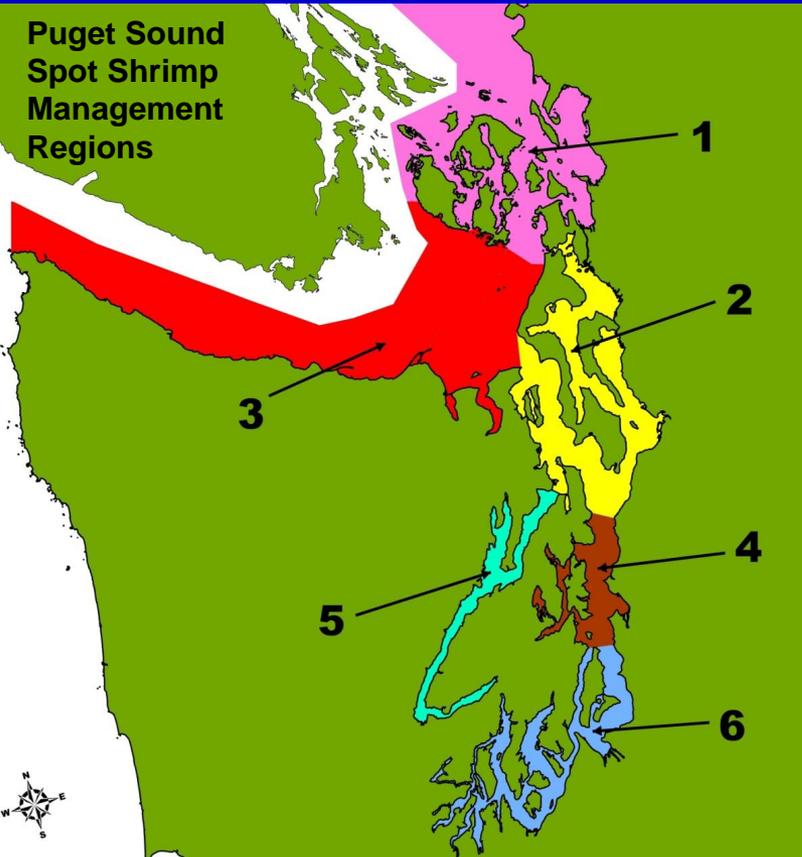
Total Adjusted Ex-Vessel Landing Values for the Puget Sound State Commercial Spot Shrimp Fishery 2002-2015

Ex-vessel values were adjusted to 2015 dollars using a Consumer Price Index (CPI) conversion maintained by the United States Department of Labor Statistic



2013-2015 Regional Recreational Spot Shrimp Harvest Results

Puget Sound Spot Shrimp Management Regions



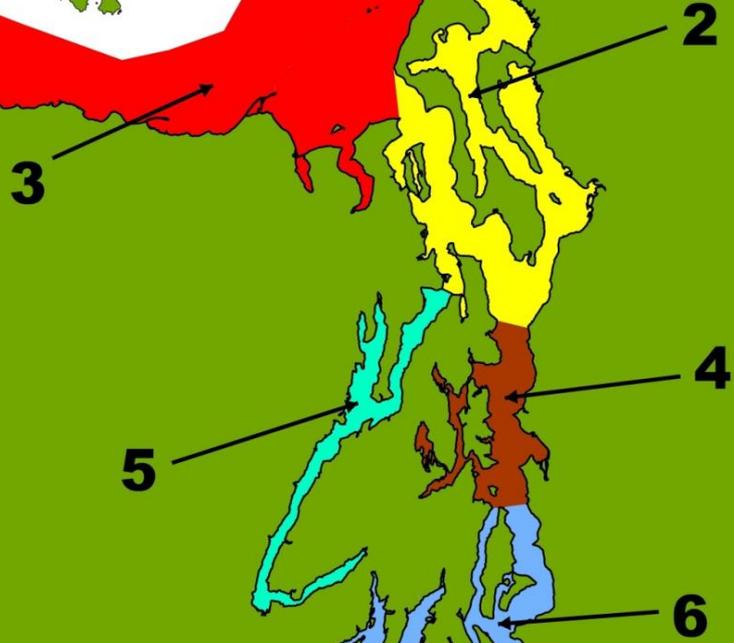
Region	Policy C-3610 Recreational Target %	Actual % Recreational Harvest from Total State Harvest		
		2013	2014	2015
1	80	42	45	48
2	100	98	94	100
3	22	23	25	15
4	100	94	100	100
5	100	100	95	100
6	100	100	100	100
All	70	63	62	61

2013-2015 Recreational Harvest Days

Spot Shrimp Management Regions

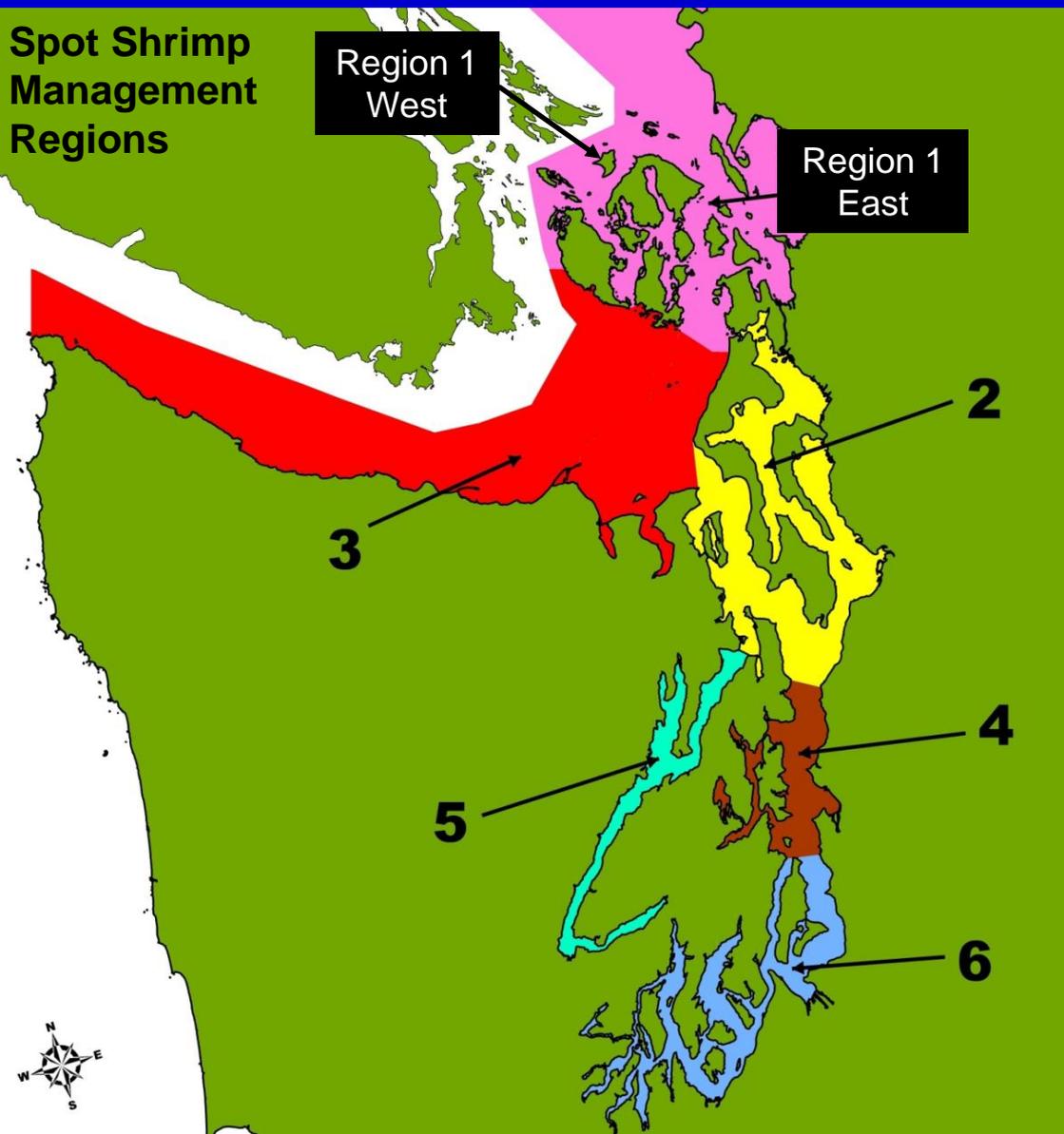
Region 1 West

Region 1 East



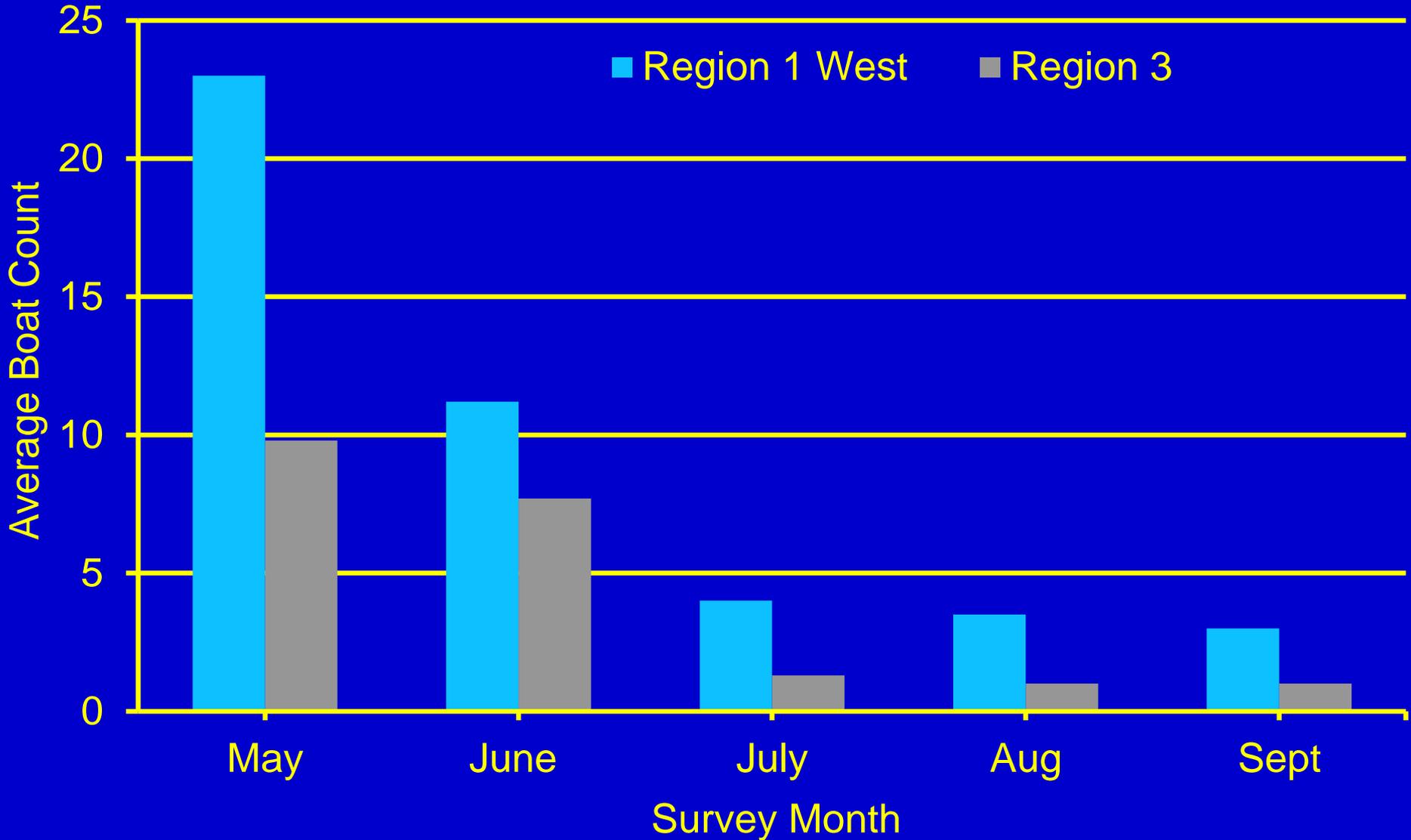
Region	Recreational Days Open		
	2013	2014	2015
1 East	13	13	13
1 West	83	120	137
2	3	3	3
3	56	135	137
4	3	2	2
5	5	4	4
6	4	3	1

2015 Region 1 West and 3 Fishery



- Recreational fishery harvested the Region 1 East target in 13 days
- Recreational fishery was open in Region 3 and 1 West for 137 days
- Over 35 % of recreational target remained in Region 1 West In mid-August
- In total 22,000 pounds of recreational share was released to the commercial fishery from Region 3 and 1 West in 2015

Average Recreational Spot Shrimp Boat Counts for Region 1 West and 3 (2013-2015)



Fishery Adjustments in Regions 1 and 3 For 2016

- Region 1 West and portions of Region 3 will be open daily for recreational harvest;
- Spot shrimp daily limit will be increased in Region 1 West and 3 starting on June 1;
- Any unutilized recreational harvest shares from Region 1 West and 3 will be provided to the commercial fishery.

Summary

- Recreational fisheries were open in all Puget Sound regions
- Commercial fishery occurred in Regions 1 and 3 as per policy C-3610.
- Overall the recreational fishery harvested 61% of the state's quota. Policy C-3610 defines an overall recreational target of 70%.
- The recreational fishery was unable to catch the harvest target in Region 1 West and 3 and 22,000 pounds of the recreational target was transferred to the commercial fishery in late August.
- To achieve the overall 70% recreational harvest target, adjustments will be made in the 2016 fishery in Regions 1 and 3 to provide additional recreational harvest opportunity.

Questions

